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June 14, 1993

Ms. Debbie Felton
NAVFACENGCOM
Remedial Project Manager
10 Industrial Highway
Mail Stop 82
Lester, PA 19113-2090

REFERENCE: NWIRP Calverton

SUBJECT: NWIRP Calverton Fact Sheet; June 1993

Dear Debbie:

Enclosed please find two hundred copies of the June 1993 Fact Sheet for the NWIRP Calverton. This final version of the Fact Sheet incorporates the comments submitted from your office and is printed on recycled paper, as requested.

Please call me if you have any questions or need additional copies of the Fact Sheet.

Sincerely,

Tammy L. Way

cc: D. Brayack/HNUS
Project File

Fact Sheet

INSTALLATION RESTORATION PROGRAM

Naval Weapons Industrial Reserve Plant • Calverton, New York • June 1993•1

Introduction

This fact sheet provides information about the Navy's Installation Restoration (IR) Program. The purpose of the IR Program is to identify and clean up past hazardous materials sites at Navy Installations. The progress made at the Naval Weapons Industrial Reserve Plant (NWIRP) Calverton is summarized below. Northern Division, Naval Facilities Engineering Command, located in Lester (suburb of Philadelphia), PA, is tasked with the management and implementation of the current IR Program studies.

NWIRP Calverton

NWIRP Calverton is a Government-Owned and Contractor-Operated facility. The facility is operated for the U.S. Navy by Grumman Corporation.

NWIRP Calverton is located in Suffolk County, New York and covers approximately 6,000 acres, most of which is in the Town of Riverhead.

NWIRP Calverton was built during the Korean War; construction was completed in 1954. The mission of the NWIRP is to assemble, test, flight test, refit, and retrofit Naval aircraft. The facility supports aircraft design and production at NWIRP Bethpage (located in the Town of Oyster Bay in Nassau County).

Installation Restoration Program

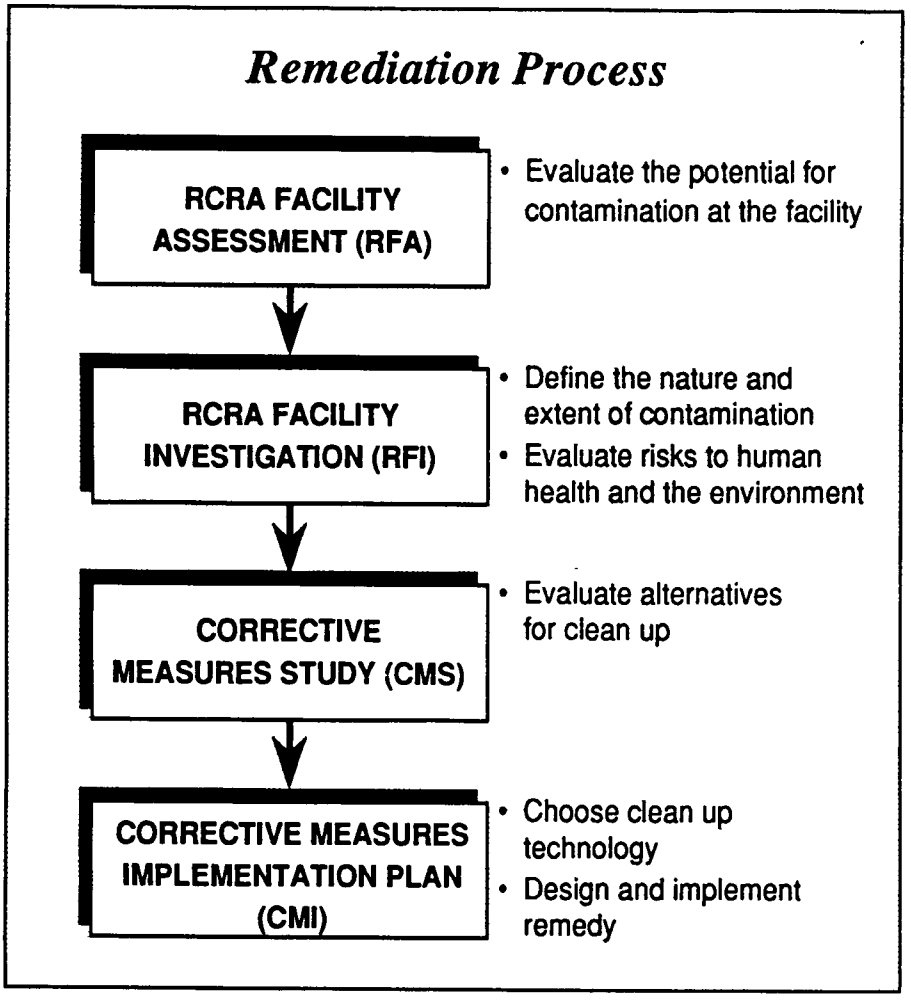
The IR Program is designed to identify environmental contamination at Navy and Marine Corps facilities and lands resulting from past operations and to institute corrective measures (clean up). The Navy's IR Program provides the means to conduct environmental investigations at the NWIRP Calverton. All facility investigations being conducted at NWIRP Calverton are in compliance with the U.S. Environmental Protection Agency's (EPA) Resource Conservation and Recovery Act (RCRA). The New York State Department of Environmental Conservation (NYSDEC) is the designated lead regulatory agency for the NWIRP Calverton. The Navy is working in cooperation with the U.S. EPA, NYSDEC, and Suffolk County on the NWIRP Calverton project.

The IR Program at Calverton consists of four distinct phases: RCRA Facility Assessment, RCRA Facility Investigation, Corrective Measures Study, and Corrective Measures Implementation. These phases are generally implemented sequentially with each phase determining whether the subsequent phase is necessary. Currently at the NWIRP Calverton, four sites are in the RFI stage and three sites are in the RFA stage. Refer to the Remediation Process flowchart on page 2 for the definition of each phase and how they interact with one another.

History of Investigations

Under a parallel program, an Initial Assessment Study (IAS) was conducted at NWIRP Calverton in 1986. The purpose of the IAS was to identify and assess areas of concern posing a potential threat to human health or to the environment due to contamination from past operations. Based on historical records, aerial photographs, field inspections, and personnel interviews conducted during the IAS, six potentially contaminated areas were identified for further investigation. Subsequent to the initial study, a seventh area was added. These seven areas can be seen on the Facility Layout Map (page 3) and are as follows:

- Site 1 - Northeast Pond Disposal Area
- Site 2 - Fire Training Area
- Site 4 - Picnic Grounds Disposal Area



- Site 6A - Fuel Calibration Area
- Site 6B - Engine Runup Area
- Site 6C - South End of Runway 32-14
- Site 7 - Fuel Depot Area

In 1991, the Navy conducted a Site Investigation (equivalent to a RCRA Facility Assessment). Based on the data obtained during the SI, it was agreed that Sites 4, 6B, and 6C required no additional investigation. Sites 1, 2, 6A, and 7 continued to the RCRA Facility Investigation (RFI).

Site Description/ Planned Actions

The four sites being investigated under the RFI are described below. For all sites the RFI will further define the nature and extent of this contamination through soil, soil gas, waste, sediment, surface water, and/or groundwater testing.

Site 1 - Northeast Pond Disposal Area

Until 1984, the northeast pond disposal area was used primarily for the disposal of demolition debris such as concrete, brick, wood, and other construction materials. Other materials include aircraft sections and junked aircraft assembly tooling, pallets, and paint cans. A final soil cover was placed over the disposed material in 1984. Hazardous materials are not known to have been purposely disposed of in the area. Heavy metals such as barium, copper and zinc were found in the soils at this site. The RFI will further define the nature of the materials deposited at the site and determine if there has been an impact to groundwater or adjacent pond.

Site 2 - Fire Training Area

The fire training area has been used by Navy crash rescue crews as a training area since 1955, and possibly as early as 1952. Earth berms were constructed and filled with water, waste fuels, oils, waste solvents; then ignited for training exercises. Fuels and solvents were found in the soils and groundwater at the site. The RFI will define the vertical and horizontal extent of the soil and groundwater contamination.

Site 6A - Fuel Calibration Area

The fuel calibration area has been active since the construction of the facility in the early 1950's. This area is used to test aircraft fuel and engine systems. Aircraft fuel delivery systems are pressurized with fuel in the calibration area to test for leaks. The testing resulted in frequent, small, fuel spills. Fuels and solvents were found in the soils and groundwater at the site. Again, as in Site 2, the RFI will define the vertical and horizontal extent of the soil and groundwater contamination.

Site 7 - Fuel Depot Area

The fuel depot area was con-

structed in the early 1950s and is currently active. This area is used for the storage and distribution of fuel products at the facility. Fuels are stored in underground storage tanks, then transferred to trucks for use in the flight preparation areas of the facility. These activities have resulted in groundwater contamination by fuels, which may have occurred by tank and pipe leakage, overfilling, and spills. Fuels were found in the soils and groundwater at the site. The goal of the RFI is to determine the extent of the impact to soil and groundwater, and the amount of soil that may require treatment and disposal.

RFA Site Description/ Planned Actions

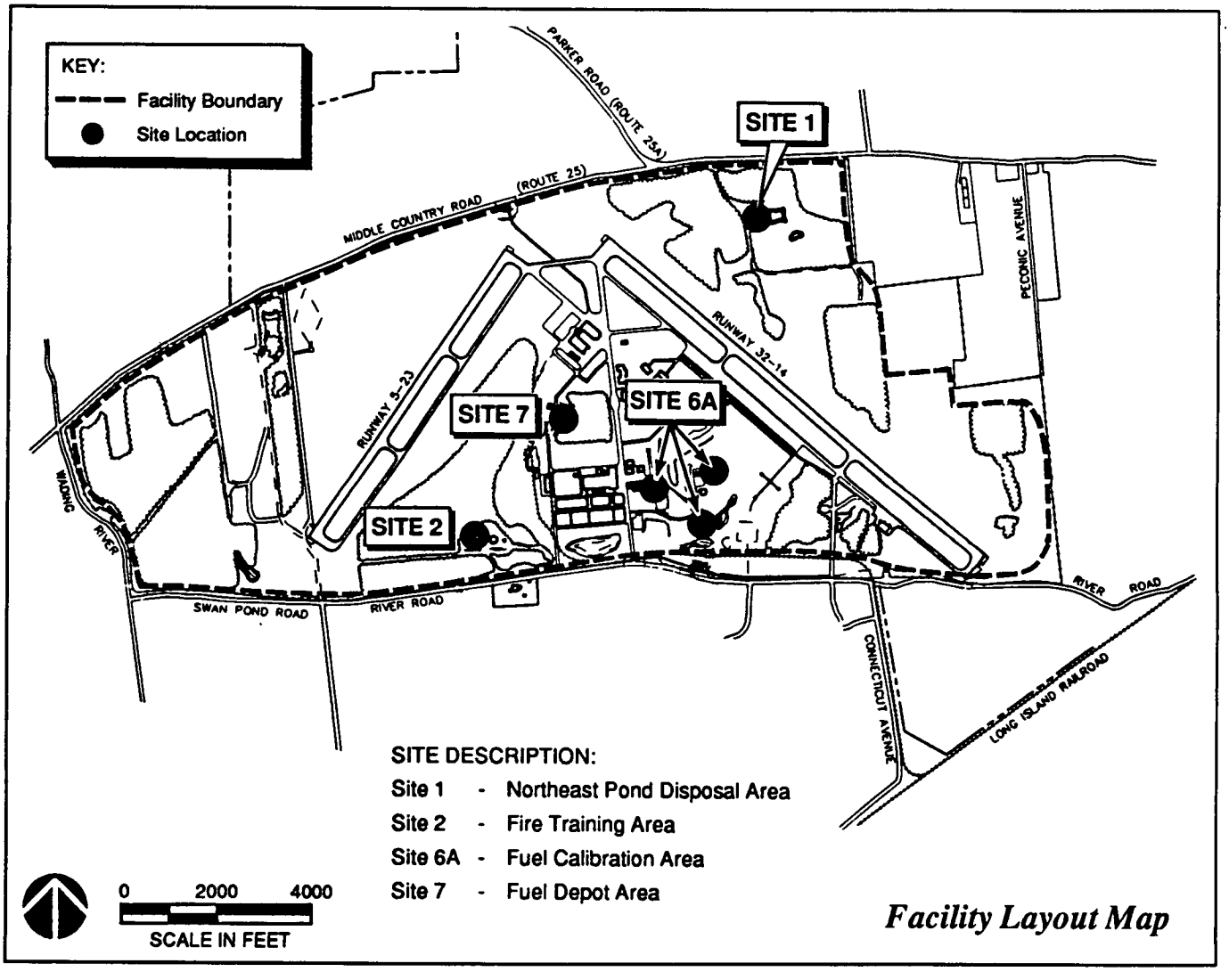
Concurrent, but separate, activities are under way at other areas of NWIRP Calverton under a RCRA Facility Assessment Sampling Visit (RFA-SV). The RFA will investigate the potential for solvent contamination in this area through soil, waste, sediment, surface water and/or groundwater testing. These sites include the coal pile area, the Electronic Counter Measures (ECM) area, and the cesspool/leach field areas. Sites 8, 9, and 10, respectively.

Site 8 – Coal Storage Pile Area

The coal storage pile area is used for storage of raw coal prior to its use in the on-site boiler house. Currently, most of the coal has been removed from the area. This area is being considered because of the potential for solvents to be present in the coal pile.

Site 9 – ECM Area

The ECM area was constructed in



Facility Layout Map

the early 1970s. Recently, solvents were detected in the groundwater at the adjacent farm. Because similar solvents were used at the ECM area, it was determined that the site warranted further investigation.

Site 10 – Cesspools/ Leachfield Areas

There are approximately 9 cesspools/leachfield areas at the facility which may have been used, currently or historically, for the discharge of wastewater. This wastewater had the potential to be contaminated with solvents and heavy metals. The RFA will investigate the potential for solvent contamination in this area through soil, waste, and groundwater testing.

Technical Review Committee

The Navy has established a Technical Review Committee (TRC). Members of the TRC actively participate in the development of the scope of work for the on-going activities at NWIRP Calverton, provide technical reviews and comments during the execution of the RCRA Facility Investigations and Corrective Measures Study, and assist in the selection of remedial technologies based on the data gathered by the Navy.

The TRC includes representatives from the Navy, the U.S. EPA, NYSDEC, the New York Department of Health, the Suffolk County Department of Health, the Nature Conservancy, and Grumman Corporation.

For More Information . . .

The Navy strives to keep the public informed about their activities under the IR Program. For Calverton, an Information Respository has been established at the Riverhead Free Library, (Reference Desk), 330 Court Street, Riverhead, NY, 11901.

Library Hours: Mon-Fri, 9 am - 9 pm;
Sat, 9 am - 5 pm; Sun (Oct-May), 1 pm - 5 pm.

Reports generated to date are available for your information.

For more information, or to be placed on the mailing list, please write or call Debra Felton, Navy Remedial Project Manager, or Jack Dunleavy, Technical Manager at: Naval Facilities Engineering Command, 10 Industrial Highway, Mail Stop 82, Lester, PA 19113-2090, (215) 595-0567.